

ABSTRACT OF THE DISCLOSURE

Computer-aided simulation method for determining the electromagnetic field of a body which has a plurality of subregions and contains a plurality of charges and currents. The method makes it possible to determine the electromagnetic field of a body by dividing this body into subregions and, for the subregions, making multipole expansions which give the (total) electromagnetic field when superposed. The differential equations which arise for the subregions are presented in matrix form and are solved numerically. Applications include determination of the electromagnetic compatibility (EMV) of a body.